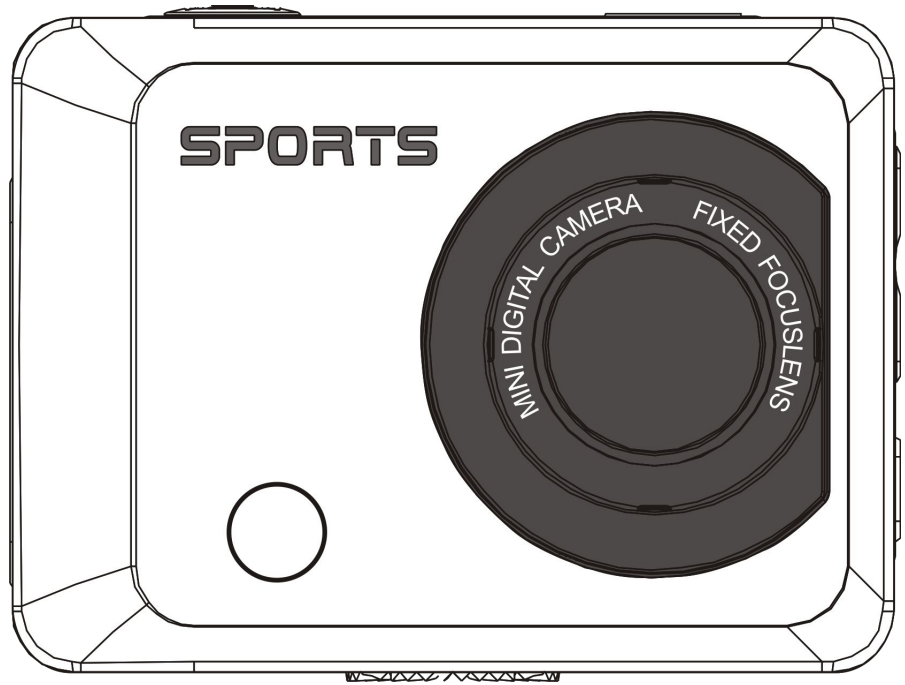


User Manual

尺寸：120X90mm 100克
封面+空白1+20页+空白1+封底=24
书写纸黑白印刷

Function

Thank you for choosing this camera. Please carefully read the manual before using, and keep it at a safe place for future reference.

The compilation of the user manual refers to the latest information. The manual quotes captured screen displays and graphics, with the aim to introduce the digital camera through detailed and direct methods. Due to the differences of technical R&D and production batch, those captured screen displays and graphics indicated in the manual may be different from that of actual digital camera.

Precautions

TF high-speed card (multimedia memory card) at Class4 or above is required for this camera.

Instructions for using the memory card

- In case of a newly purchased memory card for the first time use, or data available in the memory card unrecognized for the camera or image captured by other cameras, please ensure to firstly format the memory card;
- Before plugging in or out the memory card, please firstly disconnect power supply of the camera;
- After using for many times, performance of the memory card will be lowered. In case of lowered performance, a new memory card is needed to purchase;
- The memory card is a precise electronic device. Please don’t bend it and keep it away from falling or heavy load;
- Don’t keep the memory card in the environment with strong electromagnetic or magnetic field, like the

place near speaker or receiver of TV;

- Don’t use or keep the memory card in environment with over high or low temperature;
- Keep the memory card clean and away from contacting liquid. In case of contacting liquid, please dry it with soft cloth;
- In case of keeping the memory card idle, place it into the card sleeve;
- Please note that the memory card will get hot after long-term use, and this is normal;
- Don’t use the memory card having used on other digital cameras. If to memory card on this camera, please firstly format it with the camera;
- Don’t use the memory card having formatted on other camera or card reader;
- In case of one of the followings with the memory card, the recorded data may be damaged:
  - Improper use of the memory card;
  - Disconnect power supply or take the memory card out during recording, deleting (formatting) or reading;
- You are recommended to backup important data on other media like soft disk, hard disk, CD.

Camera Maintenance

- Keep it in a dry and dark place for keeping idle;
- Use proper protective cover to avoid lens and display scratched;
- In case of cleaning the surface of camera lens, first blow the dust off the surface, use a cloth or paper available to optical equipment to wipe the lens gently. Use the professional camera cleanser to clean the lens. Do not use any organic solvent;
- Do not touch the lens surface by fingers.

System requirements

When operating or using the digital camera, please take minimum system requirements for the computer of the camera into consideration. You are strongly recommended to use better computer equipment for operating the camera to achieve the optimized effect. The minimum system requirements are as below:

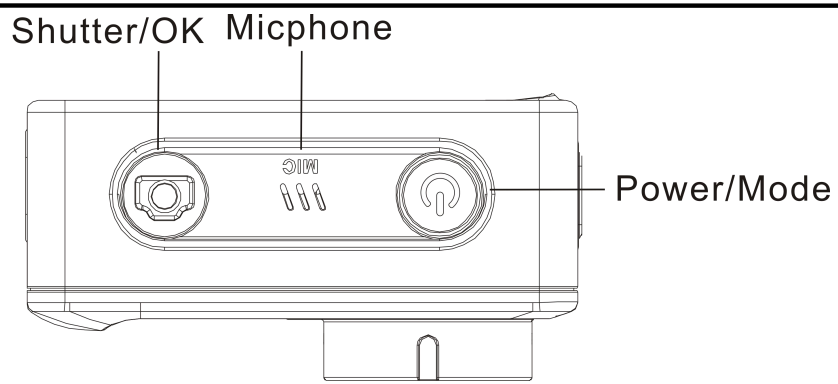
System Requirements		
Operating System	PCCAM	Microsoft Window XP(SP3), Vista, 7，8 MAC OS10.8.or above version
	MSDC	Microsoft Window 2000，XP, Vista, 7，8 Mac OS 10.0. or above version
CPU		Intel Pentium of more than 1GB Hz or other CPU with equivalent performance
Internal Memory		Larger than 1GB
Sound Card and Display Card		The sound card and video card shall support DirectX8 or higher version.
CD Driver		Speed of 4 times or faster
Hard Disk		Free space of more than 2GB
Others		One standard USB1.1 or USB2.0 port

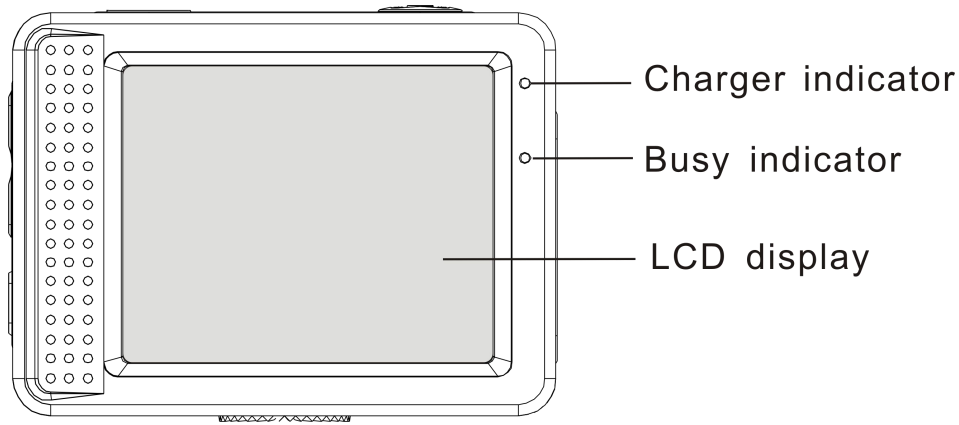
Function Features

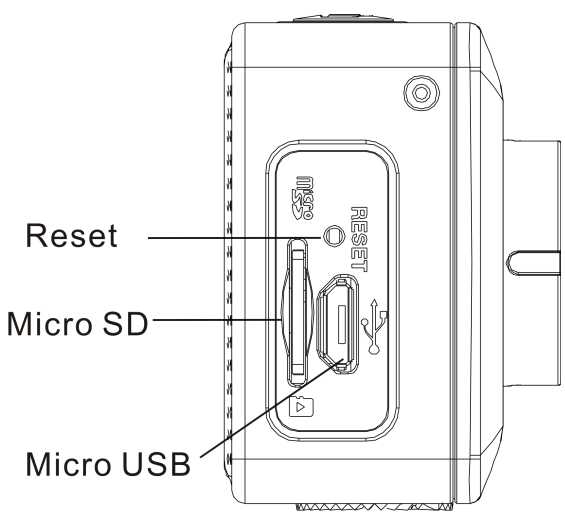
This camera is equipped with various characteristics and functions:

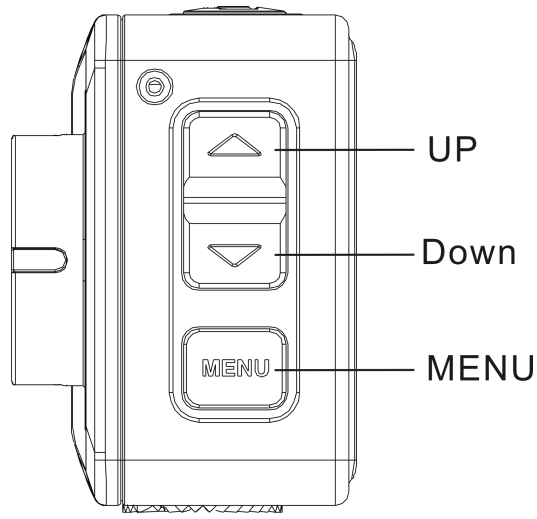
- Digital VDR;
- Digital camera (5 mega-pixel);
- Mass Storage (Removable disk);
- PC Camera;
- 8X digital zoom
- Seamless video
- Infrared remote control

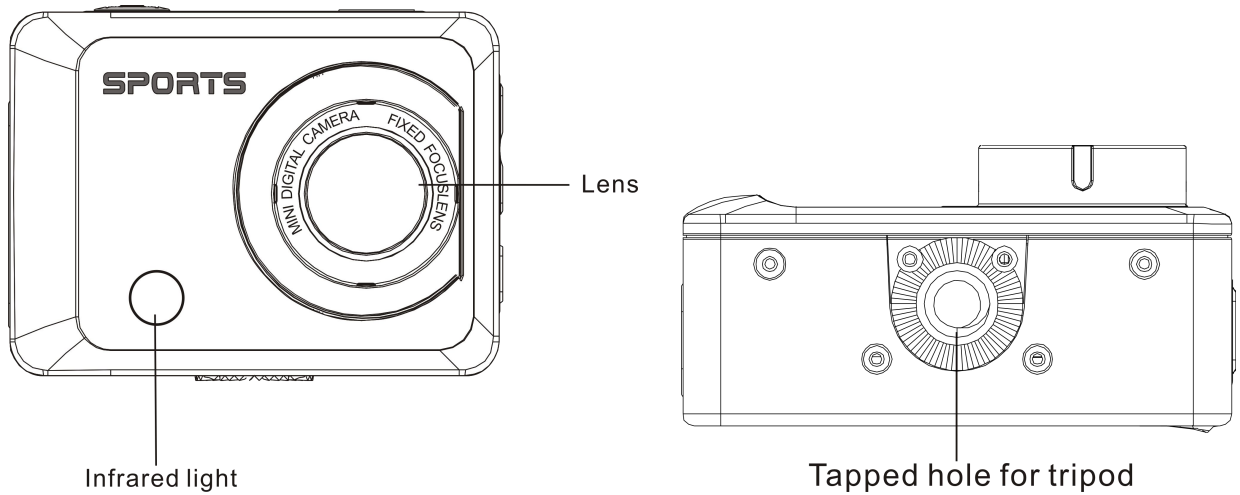
Appearance




Charger indicator
Busy indicator
LCD display


Reset
Micro SD
Micro USB
RESET


UP
Down
MENU
MENU



Key Functions and Indicators

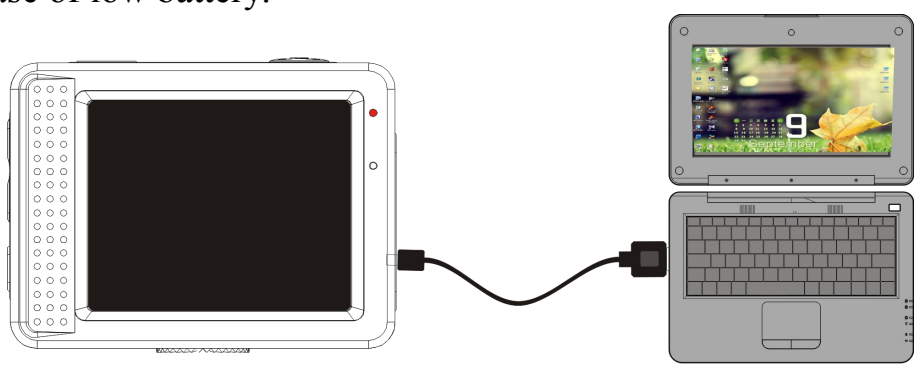
Key/Indicator	Function
Power key	Power On/Off; switch over among video recording, capturing and playback
Shutter key	Video recording/capturing; play/stop playing video file (Playback mode); menu confirmation
MENU key	Open and exit from menu； Stop play video files (playback mode)
Up key	Digital zoom-in: select menu (after opening the menu); file page-up; pause playing video (playback mode); Retreat quickly video (playback mode)

Down key	Digital zoom-out: select menu (after opening the menu); file page-down ； Fast forward video (playback mode)
Charger indicator	Indicator lights in red during charging, and the indicator turns off after charging full.（Power off charging）
Busy indicator	When the camera is busy (for example: during film recording, capturing, automatic screen-off), the busy indicator will light.
Infrared remote control	Boot mode, infrared remote control on this lamp, can push a button corresponding to video camera and take photos, shutdown operation

Start to use

1. Charge the built-in lithium battery

The camera is equipped with built-in 3.7V lithium battery. Please ensure power available for the camera and timely charge it in case of low battery.



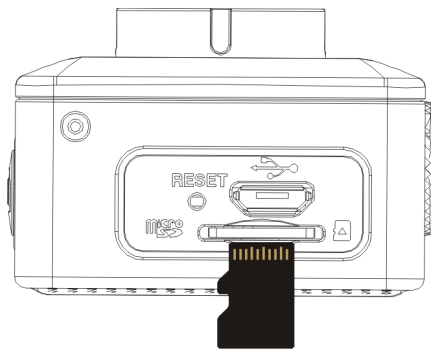
Connect the camera to computer for charging under shutdown status. The charging indicator will be on when

charging, and will be off when the battery is fully charged. Generally, the battery can be fully charged after 2-4 hours.

2. How to use the memory card

2.1. Properly insert the TF card into the card holder as per the instructions indicated near the card holder.

2.2. To remove the TF card, press the end of memory card gently, the card will be ejected.



Note: The camera is not equipped with built-in memory. Please insert memory card before using. Before using the camera, it is a must to format the memory card on the camera.

3. Startup and shutdown:

3.1 Startup: press the POWER key for 3 second, the camera will show startup screen and enters into POWER ON state;

3.2 Shutdown: press the POWER key when the camera is under idle mode to shut down;

3.3 Auto shutdown: the camera will be shut down automatically when the camera is under idle mode for a certain time to save power. The default time for auto shutdown is 3 min.

3.4 Shutdown under low power: when the battery is under low power, the LCD will indicate " ". Please charge the battery timely. When the icon turns red and flashes, the camera will be shut down automatically.

4. Function modes switching

The camera has 3 modes: photo mode, recording mode, and playback mode. Use the power key to switch the modes after starting up.

Recording mode: for recording videos;

Photo mode: for taking photos;

Playback mode: for playing back the current video.

5. Indicators

5.1 BUSY indicator**:** When the camera is working (e.g. recording, photographing, auto screen off etc.), the

indicator will light;

5.2 Charging indicator: In shutdown state, the lightened indicator means the user is charging the camera.

6. Photo/recording mode

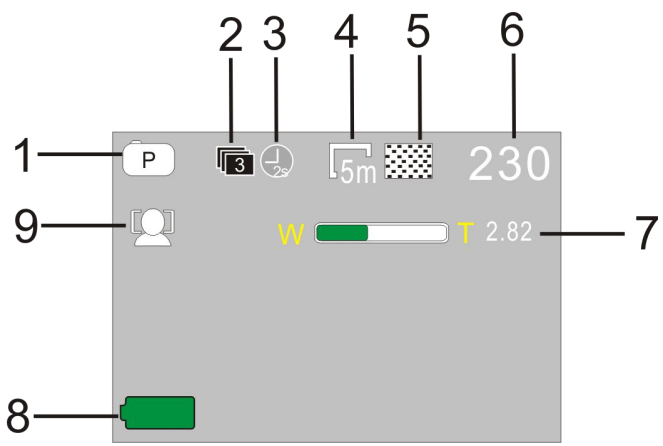
It enters automatically into recording mode.

Press Shutter to start recording, and press Shutter again to stop recording.

Press Shutter to directly take photo.

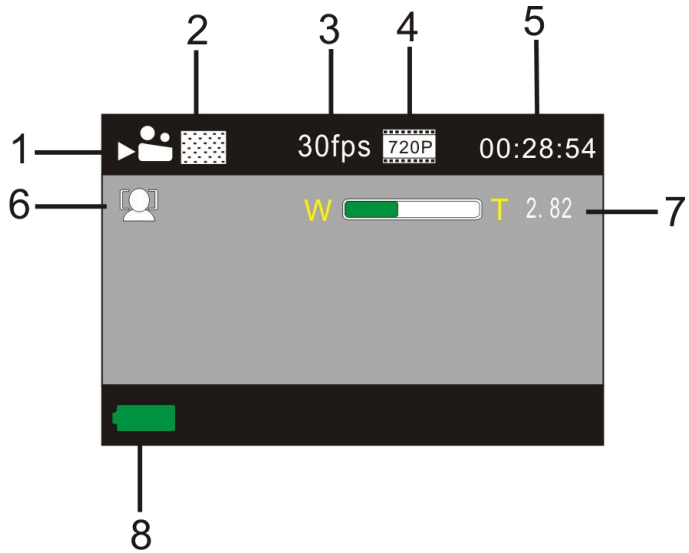
In rerecording/photo mode, press Up/Down for digital zoom in/out.

6.1 Screen display in photo mode



1. Photo mode;
2. Three photos continuous shooting mode;
3. Self-timer mode;
4. Photo resolution;
5. Photo quality;
6. Available shooting count;
7. Icon of digital zoom；
8. Battery state；
9. Face detect；

6.2 Screen display in recording mode



1. Video mode;
2. Video quality;
3. Video framerate
4. Video resolution;
5. Available time to record;
6. Face detect;
7. Icon of digital zoom;
8. Battery state;

Note:

1. When using the HD size or FHD video, you must use the TF high-speed card at class 4 or above .

2. Automatic screen-off will be performed during recording for saving power. User may short press Power key or shutter key to enable the screen for displaying.

7. Menu Setting Mode

7.1 Menu display

In photo, recording and playback mode, press Menu key to open the menu, and then press Up/Down key to select menu, press the Shutter key to enter submenu. When selecting menu, the selected menu will be displayed with blue background.

In the video mode setting "Seamless" menu in this mode, Optional Settings 1/3/5 minutes video segmentation, automatic stop when it is time to this video, and immediately start the next video automatically. When the card is out of memory, a video is automatically deleted the first, and will continue to start to the next video.

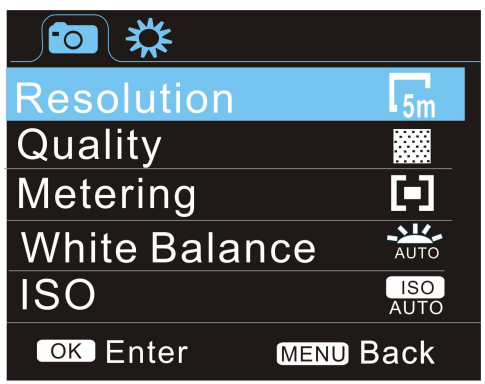
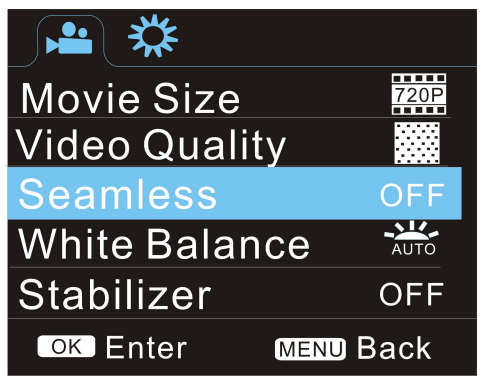


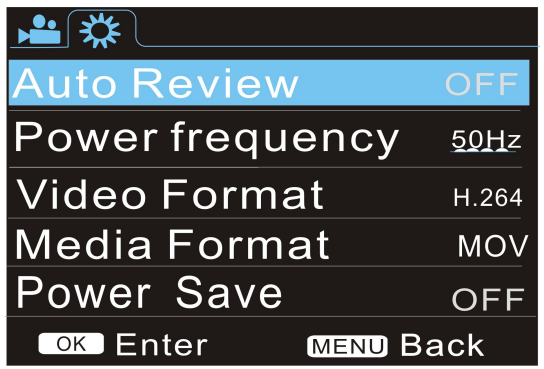
Photo menu mode



Recording menu mode

7.2 System mode menu setting

After opening the menu by pressing Menu key, press power key to switch over to setting main menu, press Up/Down key to select menu, and after that to press Shutter key for confirming to enter the submenu. In the submenu, press Up or Down key to select menu, and press Shutter to confirm. After returning to the main menu, press Menu key to exit from the menu.

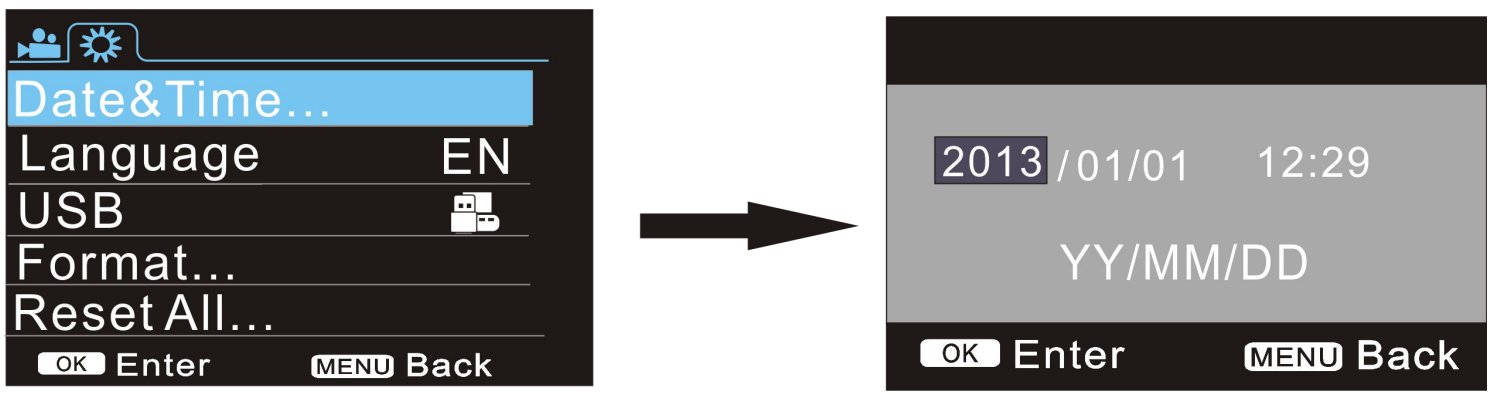


System menu mode

7.3 Setting date and time

Press Menu key to open the menu, press Power key to switch to setting menu, and then press Shutter key to confirm. Press Down key to select “Date and time” in menu item, and then press Shutter key to enter setting window.

In setting window, press Power key to select items (date, time) to be adjusted, and then press Up key or Down key to make adjustment, press Shutter key for conformation at completion of adjustment, or press Menu key to cancel setting and exit. Finally, press Menu key to exit from setting mode.



7.4 Playback mode menu setting

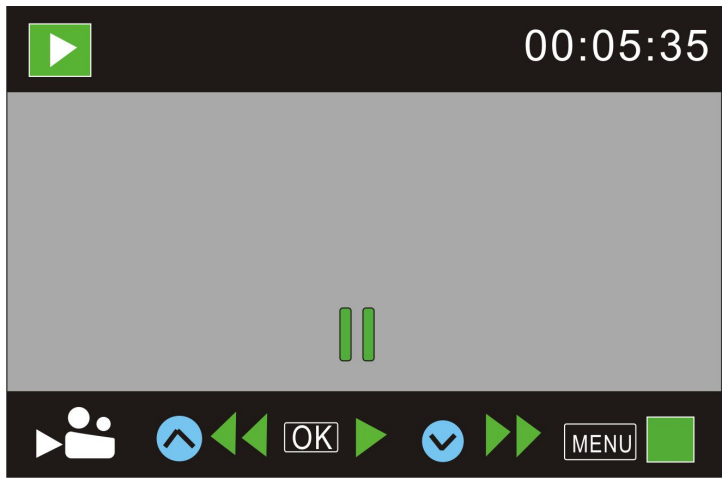
Press Menu key to open playback main menu, press Up or Down key to select menu, press Shutter key to enter submenu. In the submenu, press Up or Down key for selection, and press Shutter key to confirm. After returning to the main menu, press Menu key to exit from the menu.

▲ Playback menu

8. Playback mode

Press Power key to enter playback mode to browse photo/video, play the video recorded by this camera.
Press Up/Down key to access to previous or next photo/video.
Play movie: Press the shutter button to start/pause play video, press the up/down key to Retreat quickly /fast forward playback, press the MENU button to stop play video

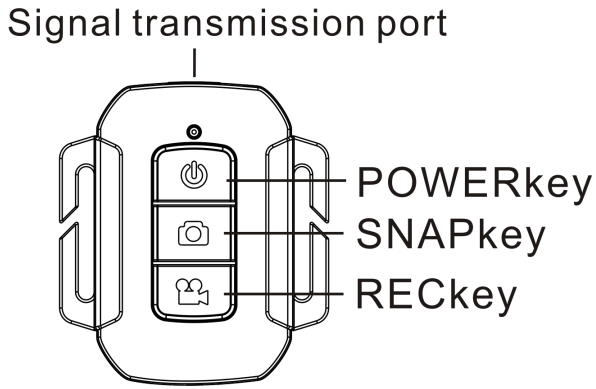
Video file playback



Video pause mode

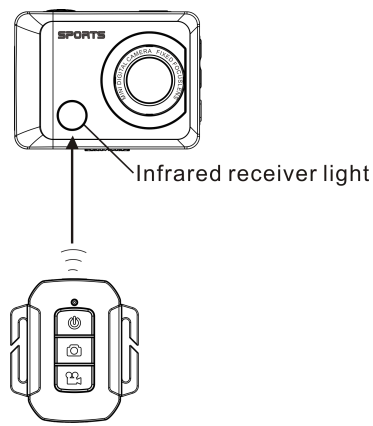
9. **Remote control application**

9.1. Remote control button instructions .



9.2 The use of remote control.

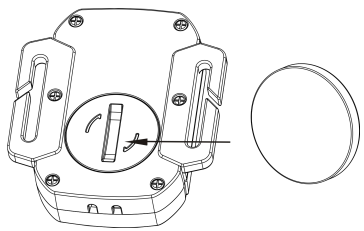
Using a remote controller can not operation can realize video camera, take photos and shutdown functions. When used for remote control signal emission of infrared light reception of the camera, can press button after operation video, photo, or turn it off



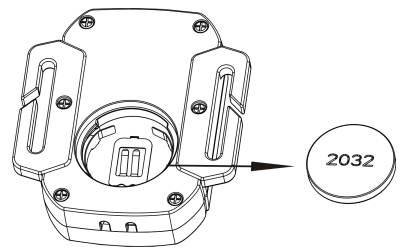
9.3 Remote controller battery replacement

When the remote control battery is low, need to replace the battery, please be careful open the battery door with a coin, avoid scratching by the appearance of the battery door.

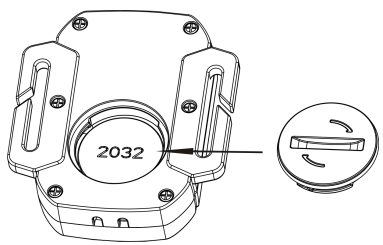
When replacing the batteries, the groove will coin card cover in the middle of the battery, according to the instructions of the battery cover unscrewing direction of the old battery, will be replaced by a new battery (batteries are installed note the positive and negative pole), then the battery cover and screw.



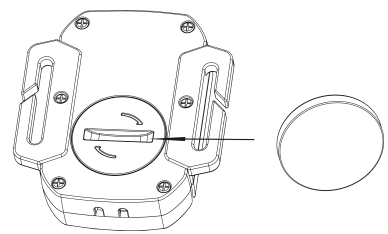
(Picture 1, open the battery cover)



(Picture 2, take out the battery)



(Picture 3, in the battery)



(picture 4, close the battery cover)

10. Connect to computer to download photo/video

When the camera is connected with the computer and entering removable disk mode, there will be a removable disk added in the window of “My computer”. The photo or video file may be stored in the catalogue of “DCIM\100MEDIA” in the removable disk. You may enter this catalogue to copy files on to hard disk of your computer.

Note: During file downloading, it is prohibited to disconnect USB connection, and plugging out the memory card when USB connected is also prohibited to avoid loss of data.

Use Camera Functions

The camera on, press power key to enter after connecting the computer camera model；
Or in the Settings menu USB option in selected UVCH264 or UVCMJPG format into the camera。

Note: In case of PCCAM, version 1 is XP sp3 or the above.

Technical parameters

Image sensor	5.0 mega-pixel CMOS image sensor
Function mode	Recording, photo, playback
Lens	F2.5 f=3.53mm
Digital zoom	8x
LCD screen	2.0” LCD screen
Picture resolution	12M (4000 x 3000), 8M (3264 x 2448), 5M (2592 x 1944), 3M (2048 x 1536)
Video resolution	FHD (1920x1080 30fps)，HD (1280X720 30fps) ，HD (1280X720 60fps)
Storage medium	TF card (Maximum supporting 32GB)
File format	JPEG, H.264
Driver Mode	2 sec./10 sec.

USB port	USB 2.0
Power supply	Built-in 3.7V rechargeable lithium battery
Menu language	English/Simplified Chinese/Traditional Chinese
Power Save	1 min. / 3 min./5 min./ OFF
Operating system requirements	Windows XP/Vista/7/8, Mac 10.2
Dimensions	58x44x23mm

Note: The product design specification is made based on updated information when compiling this product manual. The specification is subject to change without further notice. The product is subject to the actual camera.